Bang & Olufsen High Fidelity 1983/84

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The Bang & Olufsen Experience

Choosing your hi-fi system is a very personal matter. No one but yourself can know exactly what you want, what your technical demands are, and what colour, size and shape of equipment will best suit your lifestyle. Nor how much you can comfortably afford to pay for it.

Although each music-lover is an individual, experience has shown us that they often approximate to one of two types. One group is deeply interested in the detailed technology of hi-fi equipment, deriving as much enjoyment from the means of reproducing music as they do from the music itself.

The second group are those who simply want to listen, with no desire to know how the sound is brought to their ears, but demanding only that the music should sound clear and true, and be as easily accessible to them as possible.

If you recognise yourself in either of these outlines, you will enjoy browsing through this catalogue. And you will certainly find our products worthy of your serious consideration.

We hope you will follow up your reading with a practical demonstration of the equipment which you think might suit your needs. Only by listening and using the system for yourself can you be sure it's the one you want to live with.

So please contact an authorised Bang & Olufsen dealer, who will be pleased to guide you in this important decision.

Bang & Olufsen's design teams don't just wait for things to happen elsewhere in the hi-fi world and then work to improve other people's ideas. We have plenty of ideas of our own.

As long ago as 1947 we launched Europe's first wire-recorder, the forerunner of the open-reel tape recorder.

In 1957 Bang & Olufsen's chief engineer received one of the new stereo discs from an American friend, and there being no stereo pick-ups in Europe with which to play it, he sat down and invented the Moving Micro-Cross – a current-generating principle which was superior to the moving magnet then used in most pick-ups. His prototype was developed into a product called the SP.1, launched as Europe's first stereo pick-up. The principle of the Moving Micro-Cross has never been bettered, and in a highly refined form it is still the basis we use in our pick-ups today.

In 1964, Bang & Olufsen introduced the world's first fully transistorised stereo mains receiver, and it was this product that really secured the Company's success as a manufacturer of international reputation.

Although Bang & Olufsen has been making domestic sound equipment since 1929, and selling it in the United Kingdom since 1964, it was the introduction of our first tangential-tracking record deck that most British music lovers remember as our first big "landmark."

The Beogram 4000, launched in 1972, was the world's first record player with an electronically controlled tangential arm. Until that time, tangential-tracking (in which the pick-up is carried in a straight line from the edge of the record to its centre) had been only partially successful, and although top design engineers knew the principle must yield improved sound quality, no one had devised a method that was either simple or reliable enough to gain broad public acceptance. Of course, record companies had been cutting their master discs that way for years, but their precision equipment was far too complex and costly for the process to be converted for use as domestic replay equipment. But Bang & Olufsen used the logic circuits then available (very crude by today's micro-computer standards) to control a tiny servo-motor which in turn controlled the tone arm.

The following year, 1973, we solved another hi-fi problem that had long been recognised throughout the industry, but for which no one had yet found an inexpensive, mass-producible answer. It concerned the natural tendency of the drive units in multi-unit loudspeakers to operate out of phase (for one unit to be "pushing" while another is "pulling") – a conflict that is audible, to the sensitive ear, as a slight blurring of the sound. It's called phase-distortion.

Bang & Olufsen's solution to this problem was offered to the discerning listener in 1975 as a complete range of new loudspeakers – called Beovox Uni-phase, in which audible phase distortion had been eliminated without the need of mains-powered delay-lines.

More recent "firsts" have included our Beocenter 7000 (1978) – the first combination hi-fi music centre to incorporate a micro-computer controlled remote operation system. Beocord 8000 (1979), the first domestic cassette deck with a real-time tape counter and automatic address system. And in 1982, Beocord 9000 – the first cassette deck that can adjust it's own recording specifications to match the characteristics of individual tapes.

This, briefly, is Bang & Olufsen's technical background. A history spanning more than fifty years of innovation and inventiveness. And individuality too, for we have never been a Company to follow fashions or copy popular gimmicks.

Ours are serious products, created for serious people who demand top quality sound as their first priority but who also appreciate good workmanship, fine materials and lasting value.

On performance alone, Bang & Olufsen equipment deserves to be included in your final decision about which hi-fi system to buy. As a broader concept – embracing such criteria as reliability, ease of use, appearance and sheer domesticity – there is, quite simply, no other choice.

Performance first. People a very close second

Over the past ten years or so, Bang & Olufsen products have evolved a distinctively sleek, slim appearance unlike any other brand. While this development has benefited our customers by making their hi-fi a progressively more attractive and less obtrusive part of their home environment, it has, unfortunately, exposed us to a certain amount of criticism from the technical pundits. They accuse us of designing beautiful cabinets and then inventing products to fill them. This accusation is, of course, entirely groundless.

Bang & Olufsen products are first conceived in the abstract to fulfil a particular set of requirements: these requirements are expanded into a detailed list of features, facilities and technical specifications. The facilities govern the number and type of controls, display panels etc. needed, while the technical specifications decide how much internal space is required for circuitry. Then, and only then, does our architect designer begin developing ideas for the exterior of the product. Unlike many hi-fi designers, he holds no brief to make the product look impressive or bigger than it needs to be.

That's why you will find very little air-space inside a Bang & Olufsen unit. Ask any hi-fi engineer! Or judge for yourself by comparing the weight of similar products of different brands.

Naturally we are delighted that our equipment is so pleasing to the eye as well as to the ear, and that our name is widely respected for this reason. Of course, we use genuine wood veneers and high grade alloys or toughened polymer derivatives for our cabinets (instead of pressed steel and cheap plastics) because we believe that anyone who enjoys good music and appreciates our high standards of sound quality will also have discerning taste in the matter of materials.

As you browse through this catalogue, another nicety you may notice about Bang & Olufsen products is the thoughtful design of our lids and dust covers. These are always constructed to open **within** the dimensions of the cabinet. No extra clearance is needed behind the unit to accommodate the lid when open – so there is no danger of damaging the product or scratching your wall or shelf unit.

You will also come to realise how very easy our systems are to understand and operate, no matter how complex they are technically. When you visit your Bang & Olufsen dealer to try them "in the flesh," it may occur to you as an afterthought that this external simplicity also makes the product extremely easy to keep clean, and that our policy of separating the primary from the secondary controls means that even small children can be trusted to use the system correctly, without any temptation to "fiddle."

We cannot, however, claim a similar lack of temptation when it comes to our remotely-controlled Beosystems.

On the contrary, the slim Terminals and Master Control Panels, with their fast-acting attractively ergonomic buttons, will no doubt prove fascinating to young minds and fingers. But this fact need cause no concern (beyond the possible drain on battery-power, which would, in any case, be minimal) because these control systems are totally error-proof. Pressing the wrong button at the wrong time cannot cause a disaster. Cassette tapes cannot tangle, and it is not possible to lower a stylus on to a bare turntable. And because the remote control operates by infra-red light instead of ultra-sonics, "mischievous" usage cannot distress domestic pets or interfere with heart pace-makers or central heating timers.

Even an over-enthusiastic use of the volume control cannot damage the loudspeakers providing you have followed our advice about matching. And all our remote control receivers can be programmed to a specific starting volume: each new time the unit is switched on it starts playing at this chosen sound level, no matter how the volume control was left by the previous user.

Whether you choose a remotely-controlled receiver or one featuring direct manual control, you will find facilities for pre-setting a number of favourite radio stations. The method of locating and tuning the stations varies between products. It is very straightforward, but should you be unfamiliar with the pre-setting technique, your dealer will do this for you as part of his installation service. Just tell him which programmes you like most. Once set, these radio stations can be summoned simply by touching a button – P1, P2 etc. (the P stands for "Pre-set").

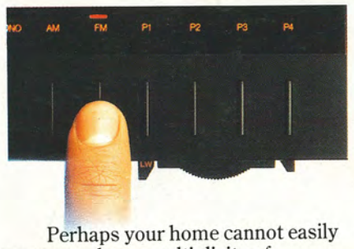
With the exception of Beocenter 2200, all Bang & Olufsen receivers are designed so that pressing any of the sound source buttons (radio, tape or records) also switches the set on. This is a simple example of how we cut down the time and effort needed for you to enjoy good music by keeping user-controls to a minimum.

Our remote-control receivers are equipped with a "Mains on/off" switch to isolate the set during long periods of non-use – when you go on holiday for example. But because of the extremely safe technical design there is no need to use this switch from day to day. With the switch set at Mains On, the receiver stays in a dormant or Stand-by condition whereby only a very small current is present in the circuitry, indicated by a tiny pilot light. In this mode the receiver is ready to action your commands via the remote Terminal or Master Control Panel, when pressing any sound-source button will bring the set to full operational voltage as well as selecting your programme.

If performance and reliability are our two main strengths, then close attention to detail is surely our third. For it is seemingly minor features such as these that gradually assume importance as time goes by until they become truly appreciated and greatly valued by the user.

This is what makes Bang & Olufsen not just another hi-fi brand, but a way of life. For once you have experienced a close relationship with equipment of this class, it is hard to go back to ordinary standards.

The Beocenter, or Bang & Olufsen hi-fi music centre, is a high-performance system physically integrated into a single compact unit. All Beocenters include record deck, radio, cassette recorder and stereo amplifier, and are presented as an alternative in the sense of a furnishing option, not as an alternative in sound quality.



Perhaps your home cannot easily accommodate a multiplicity of separate hi-fi units. Perhaps you simply prefer to have everything "under one roof," with all facilities conveniently to hand and no connecting cables to worry about. In either case a Beocenter system would be a sensible choice as only a modest amount of space on a shelf or table is required for its installation.

A Beocenter is, without doubt, a serious hi-fi system even though it comes in a conveniently domesticated form. Intelligent design has enabled us to bring together many of the same components and circuitry as are used in our range of hi-fi separates, so sound quality is comparable between the two types of system of similar price.

Each of the Beocenters shown on the following pages can be purchased either on its own or in combination with any suitable speakers from our Beovox range. However, we have selected an "ideal" Beovox model for each Beocenter, and you will find there is a slight price advantage to be gained by choosing this recommended Beosystem as a single purchase.

£499-95

Beocenter 2200

A distinctive high-fidelity system offering 3-waveband radio, record player and cassette facilities in a really compact, slim-line format. Maximum power output is 2 x 25 watts RMS.

The radio section covers Long, Medium and FM bands. Four favourite FM stations can be pre-set for instant recall. A horizontal thumbwheel on the front of the unit controls manual tuning: the large graph-grid tuning scale is very easy to see and use.

The record deck features the latest Bang & Olufsen tone arm carrying the ultra-light MMC 5 pickup. Operation is entirely automatic and needs just a single touch on the PHONO button. Built-in logic circuits identify the size and speed of any record placed on the lightweight turn-table and will cue the pickup onto the run-in groove with absolute accuracy and safety.

The cassette recorder has electronic control so you can switch directly between, say, fast rewind and PLAY without danger of straining the mechanism or damaging the tape. Dolby B noise reduction and automatic selection between ferric and chrome tapes are included. Metal tapes can also be used, so you are assured of top class sound quality for those really special recordings.

Listening to tapes is also quick and easy: the NEXT button lets you scan along the tape track by track until you find the one you want to hear.
Connections: Mono microphone; 2 pairs speakers; headphones; external tape recorder with two-way copying; AM and FM aerials.
Dimensions: 74cm wide, 8cm high (34cm with lid raised), 32cm deep.
Finish: Matt dark grey with alloy turntable and trim.

Beosystem 2200

A recommended combination of Beocenter 2200 and a pair of Beovox X25 speakers. This Beovox model features a 16cm (6½") bass driver and 6.6cm (2½") treble unit. Frequency response is 55-20,000Hz+ 4-8dB. The cabinets are finished in a dark grey metallic effect and can be mounted on a wall or placed in a shelf-unit.
Dimensions: 41cm high, 22cm wide, 15cm deep.

Beocenter 2200

Beocenter 7700

With S45 speakers
£910 complete.

Beocenter 7700

Beocenter 7700 features Long, Medium and FM band radio, automatic record deck, microcomputer controlled cassette recorder and 2 x 40 watts RMS stereo amplifier. All sound sources are accessible by infra-red remote control.

Operation is fast, easy and foolproof because a built-in microcomputer blocks mistakes and automates many boring, repetitive procedures – like switching off one sound source before switching on another. Two electronic timers, each with a 24-hour memory and automatic repeat function, allow you to record or play any programme at specific times – day after day if you wish. The digital clock can be displayed or not – it's up to you to choose.

You can pre-set 6 favourite FM radio stations, or 5 FM plus one on Long or Medium wave. This gives you instant, one-touch access to radio, either by direct or remote control.

The cassette section has many advanced features to make recording easier and more accurate. Replay too – just key in the appropriate counter-reading and the cassette will fastwind to any point on the tape. It's as easy as finding a particular track on an LP record.

Metal, ferric and chrome tapes can be used, and the Dolby noise reduction circuits ensure clean, top quality recording and reproduction.

The record deck is fitted with Bang & Olufsen's most advanced radial tone arm and miniature MMC 3 pickup carrying a naked elliptical diamond and weighing only 1.6 grams overall. It has superb tracking ability and ensures the absolute minimum of record wear.

The safe handling of records is also the idea behind the turntable light – fitted inside the hinged lid – which switches on automatically whenever the lid is opened and remains alight as long as the deck is in operation.

Beocenter 7700 is a very advanced hi-fi system, combining top-class technical performance with supreme operational convenience.

In everyday use you will hardly touch the Beocenter at all, except for inserting tapes and records, because the Master Control Panel (remote terminal) has control keys for armchair access to all primary playing and recording functions. In addition, it has an electronic read-out display on which your instructions are confirmed every time you press a button.

This technology brings an entirely new range of listening experiences to the serious music-lover. For by combining Beocenter 7700 with Bang & Olufsen's unique Master Control Link system you can control and enjoy your hi-fi from any chair in any room in the house. Simply take the remote Master Control Panel with you to the kitchen, bedroom, dining room etc., and you can stay in touch with your hi-fi installed in the lounge.

Full details of this "round-the-house-hi-fi" facility are described on pages 8-9.

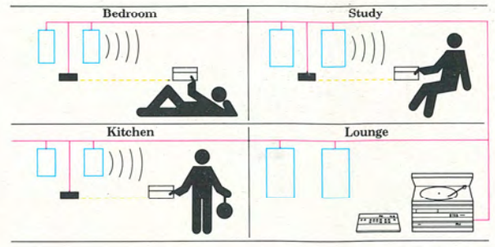
Connections: Microphone (mono); 2 pairs speakers; stereo headphones; Line in/out (DIN and RCA) AM and FM aerials.

Dimensions: 9.5cms high (36cms with lid raised), 72cm wide, 38cm deep.

Finish: Aluminium with black control facia. Plinth finished in natural teak or rosewood.

Beosystem 7700

Beovox S 55 loudspeakers are our recommended choice for use with Beocenter 7700. They are described in detail on pages 26-29.



Never has so much music been so remarkably close at hand.

Many listeners already use a pair of extension speakers, perhaps in the kitchen, so that radio programmes and music are available to speed along the household chores. But never before has there been a method of controlling your sound system from the 'extension' room; changing programme or adjusting the volume level has always required a trip back to the hi-fi unit.

Now total control is possible, because Bang & Olufsen's Master Control Link lets you operate the hi-fi system from any room in the house. And with Beocenter 7700 and the new Beosystem 5000, you get the additional reassurance of receiving an ackowledgement signal sent by the hi-fi unit to your remote Master Control Panel. Wherever you are sitting or working, you can see that your instructions to the hi-fi system are being obeyed!

You can buy stereo speakers and Master Control Links for up to four additional rooms, as well as enjoying the hi-fi system itself which you will probably place in the living-room or lounge. With this installation you can control radio, record deck, cassette recorder and amplifier from any Link room – exactly as though you were sitting right alongside the hi-fi system.

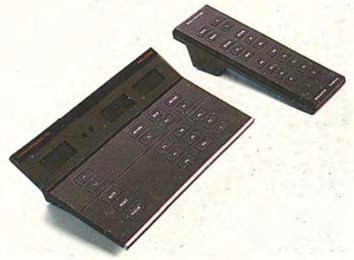
The Master Control Link equipment consists of two units: a discreet black box packed with a mass of sophisticated circuitry, and an infra-red transceiver. The black box can be fitted out of sight behind furniture or on the skirting board. The transceiver is placed on a shelf or fixed to the wall where it can pick up the infra-red signals from your Master Control Panel or remote Terminal. The transceiver also has switches so you can choose whether the speakers in each room should play or be silent, and whether the room is to be included in programmes that are due to be played via the Beosystem's automatic timers.

The Master Control Link is connected by cable "in series," i.e. only the first Link room is connected direct to the Beosystem; the second Link is connected to the first and so on. This means you can extend your listening to extra rooms one by one as your needs change or your budget allows – just like adding extra carriages to a train.

It is also possible to connect the Link system in parallel if this is more convenient.

Bang & Olufsen's Master Control Link is so adaptable to individual needs that a personal discussion with your dealer is by far the surest way of discovering its full potential. The Link system of remote control is primarily designed to exploit the very advanced microcomputer intelligence of Beocenter 7700 (page 7) and Beosystem 5000 (pages 15-17), but it can also be used very satisfactorily with Beocenter 7007 (page 11) and Beosystem 6000 (pages 19 -21). With Beocenter 7007 no extra equipment is required, but communication between listeners and hi-fi system will be one-way only: you can send control signals via the Link, but the Beocenter has no means of returning an acknowledgement. Beomaster 6000 needs to be fitted with a small additional module to convert it for use with the Master Control Link: in this case also, communication will be one-way only.

Master Control Link



With S45 speakers £795 complete.

Beocenter 7700/System Cabinet SC50

Beocenter 7007

Beocenter 7007

Top quality sound and maximum listening comfort are the main features of this integrated hi-fi system. With Beocenter 7007's 2 x 40 watts RMS stereo amplifier you get a really high volume level with minimal distortion – less than 0.1% at full output.

Records, radio, cassette tapes and amplifier can all be controlled from anywhere in the room using the slim infra-red remote Terminal. Without moving more than a finger you can select any sound source, adjust volume level, fast wind the tape and even make recordings.

This supreme ease of operation is made possible by microcomputer technology. In addition, there are two user-programmable functions which allow you to make unattended recordings at any time within a 24-hour period, or to play any sound source automatically at a pre-programmed time – day after day if you wish.

A further advantage is easy access to cassette recordings; just key in the appropriate counter-reading (address) and the cassette will fast-wind to that position. Ferric, chrome or metal tapes can be used, and Dolby B noise reduction is included to ensure clean, hiss-free recordings.

The automatic record deck has an ultra-lightweight arm carrying the MMC 5 pickup cartridge, and the precision built electronic servo drive system means perfect speed accuracy.

The superb sound quality available from Beocenter 7007's record and cassette decks is matched by the advanced reception characteristics of its radio section. Tuning coverage includes Long and Medium bands as well as stereo FM, and 6 favourite stations can be pre-tuned for instant selection via the remote control Terminal or on the set itself.
Connections: Microphone (mono); 2 pairs speakers; stereo headphones; Line in/out (DIN and RCA); AM and FM aerials.
Dimensions: 9.5cm high (36cm with lid raised), 72cm wide, 38cm deep.
Finish: Aluminium with black control facia. Natural teak or rosewood plinth.

Beosystem 7007

Beocenter 7007 is matched with Beovox S 45 speakers in this recommended system. These are two-unit speakers of intermediate size, suited to shelf or wall mounting. Details are given on pages 26-29.

System Cabinet SC77

< £159.

Beocenter Terminal

Beosystem 2000

This medium-powered hi-fi system introduces several concepts that are entirely new to equipment in this price frame. These innovations offer both improved technical performance and increased operational convenience to the smaller home or the more modest budget.

Chief among them is the concept of giving physically separated units the same one-touch control that is such an attractive and practical feature of our Beocenters. The electronic data-link (a seven-core cable that connects the Beogram and Beocord to the Beomaster) has hitherto appeared only in our most expensive, high-powered systems. It allows the microcomputers inside the individual units to "talk to each other" so that each knows exactly what the others are doing, and what instructions have been given via controls elsewhere in the system. The advantages of the data-link can best be explained by asking you to imagine a typical situation.

Let us assume that you are listening to a record, but you tire of it and decide to play a cassette instead.

On an ordinary hi-fi system you would go to the record player, stop the record and turn the deck off; go to the receiver/amplifier and switch over from 'gram' to 'tape;' go to the cassette deck, switch it on and start the tape.

On the Beosystem 2000 you could go **either** to the Beomaster **or** the Beocord and simply touch one single Sensitouch control. All those other tedious actions are done – instantly and automatically – by the system's inter-linked microcomputers. And every other operational process is just as effortless. To play a record – one touch. To change radio programmes – one touch. To play a cassette, fast wind the tape or find the next track – one touch.

With the Beosystem 2000 it can take longer to say "Let's listen to some music" than for the music to materialise. Think of that happening – not just once, but every time you want to listen, for months and years ahead. One touch!

Bang & Olufsen's data-linked units all "speak the same language" so you can mix and match them at will. This means that you can use either Beogram 2000 or Beocord 2000 with one of our remote control Beomasters and operate all primary functions from your chair, or from another room via our unique Master Control Link. Conversely, you could use an alternative

Beomaster 2000

data-linked Beogram or Beocord with the Beomaster 2000 and still enjoy the benefits of an electronically integrated system.

However, the combination we recommend as an ideal match, physically, technically and financially, is Beomaster 2000, Beogram 2000, Beocord 2000 and a pair of Beovox X 35 speakers. These are newly developed speakers featuring a 20cm bass unit and 2.5cm tweeter. Power handling capacity is 30 watts RMS. The cabinets measure 48cm high, 26cm wide and 18cm deep. They have built-in wall-mounting brackets and are finished in a dark grey metallic effect.

Beomaster 2000

Beomaster 2000 is an advanced 2 x 25 watts RMS receiver with Long, Medium and FM band radio coverage. Four FM stations can be pre-set for instant recall. There is also provision for pre-setting one AM programme – a real boon to Radio 4 fans during the hours when their favourite station transmits school broadcasts on the FM band.

The low-distortion stereo amplifier includes a new feature unique to Bang & Olufsen. We call it Automatic Power Handling Control. This is a technique whereby the dynamic range and power parameters of the signal are continuously monitored, and if their combined effect threatens to cause amplifier clipping or damage to the speakers, the APHC circuit instructs the set's microcomputer to turn down the volume to a safe level.

All primary functions are operated by finger-tip contact on the Beomaster's Sensitouch control panel. There are no knobs to turn or buttons to press. The status of all controls is shown on an illuminated display panel.

Secondary controls are protected beneath a self-opening lid that is released by touching the unit's front edge.

Connections: 2 pairs speakers; stereo headphones; Tape in/out (data-link); Tape in/out; Gram (data-link); AM and FM aerials.
Dimensions: 61.5cm wide, 6cm high (12.5cm with lid raised), 25cm deep.
Finish: Dark grey with alloy trim.
Cabinet sides are finished in natural teak or rosewood, or white to special order.

Beogram 2000

Beogram 2000

This radial-tracking record deck has a lightweight turntable (only 400g) to minimise torque at starting. The automatic cueing system is also very fast-acting, so it is only a matter of a few seconds between touching the PLAY control and hearing the music.

The tone arm has built-in anti-skating and carries the MMC 4 pickup, ensuring accurate tracking and excellent sound quality. Normal PLAY and STOP functions are entirely automatic and can be operated with the lid closed; manual buttons for playing non-standard discs are located on the deck plate.

In addition to automating the setting of correct speed and cueing position for each record, the Beogram's built-in microcomputer also allows a REPEAT function, which can be pre-programmed for up to 7 plays of the same record.

Drive is provided by a tacho-controlled DC motor via a flat rubber belt, so turntable speed is always accurate and cannot be affected by fluctuations in the mains supply.

When used with Beomaster 2000, an electronic data-link allows the Beogram to be operated by the Beomaster's controls.
Dimensions: 44cm wide, 8.5cm high (36.5cm with lid raised), 33cm deep.
Finish: Aluminium.

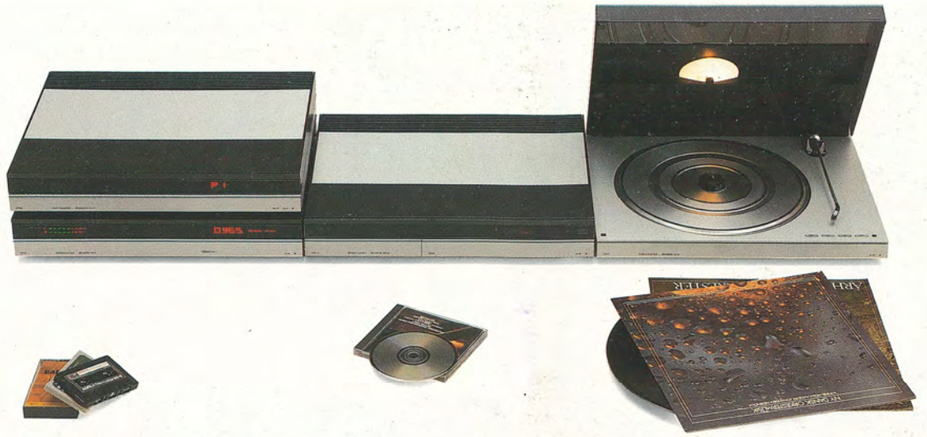
Beocord 2000

Designed as a perfect match, both physically and technically, for the Beomaster 2000, this advanced cassette deck combines a high-performance specification with supreme ease of operation.
Full details of Beocord 2000 are given on page 24.

Beosystem 2000

Beosystem 5000

With S55 speakers £1,150 complete



On the following four pages are pictures and product details of the Bang & Olufsen 5000 Series – a family of hi-fi units that are so closely related, both physically and technically, that they stand mid-way between the "separates" system and the hi-fi music centre.

If you prefer separates, or wish to replace one unit of an existing separates system, then the 5000 Series are separates and can be purchased individually. If you like the idea of the physically and electronically integrated Beocenter, then you can stack the 5000 units into a 4-tier tower system, or build two double tiers and make a system that is a "Beocenter" in all but name.

The complete series consists of a powerful 2 x 55 watts remote control receiver, Beomaster 5000; an automatic record deck, Beogram 5000; a top-quality cassette deck, Beocord 5000; and a front-loading Compact Disc player, Beogram CD 50.
Available spring 1984

The Beomaster 5000 has an electronic data link which connects it to any or all of the other units in the family (or to any other Bang & Olufsen data-link product). So whatever combination of sound sources you design into your own personal "Beosystem 5000," records, tapes and Compact Discs can all be accessible by remote control via the Beomaster's Master Control Panel and electronic data link.

Beomaster 5000

Long, Medium and FM wavebands are featured on this high-technology 2 x 55 watts receiver. A frequency synthesized tuner with automatic fine tuning and two-speed manual drive all contribute to fast, accurate location of radio programmes and superb reception quality. Nine station frequencies (on any combination of wavebands) can be stored in the Beomaster's microcomputer memory for instant recall.

The low-distortion stereo amplifier includes a very advanced feature, unique to Bang & Olufsen. We call it Automatic Power Handling Control. This special circuit continuously

Master Control Link

monitors the dynamic range and power of the signal and instructs the microcomputer to decrease volume if the combined effects of these two parameters threaten to cause amplifier "clipping" or to damage the speakers. This type of overload problem is becoming increasingly common since the introduction of the Compact Disc, which can produce signals of enormous dynamic range, but it will not occur in the Beomaster 5000.

An internal, variable-speed fan ensures the proper dissipation of heat, even when the Beomaster is used in a stacked format.

Beomaster 5000 has no visible controls. Normal operation is by means of the Master Control Panel – a slim, table-top keypad that gives chairside access to all functions including microcomputer programming and storage, timer facilities, status check, day and clock display, volume, tone and stereo balance adjustments and control of all sound sources. A programme-sequencing facility allows you to pre-plan a whole evening's listening composed of record, radio, cassette and CD music in any order and combination. Once set, this "command performance" will play continuously as instructed without further use of the controls.

Direct operation of all primary functions is available on the Beomaster itself should the Master Control Panel not be to hand. These controls are located beneath a hinged cover which springs open at a touch.
Connections: 2 cassette decks (one with A/B monitoring); record deck; Aux/CD player; graphic equaliser. Aux power amplifier socket has built-in pre-amp. All sockets duplicated in DIN and RCA types. 2 pairs speakers. Stereo headphones. Data link connections to associated Bang & Olufsen sound sources. AM and FM aerials.
Dimensions: 6cm high, 42cm wide, 32cm deep.
Finish: Matt dark grey with alloy trim.

Beosystem 5000/Master Control Panel 5000

Beogram 5000 £149

This radial-tracking record deck is a perfect match for Beomaster 5000. Operation is entirely automatic. One touch on the PLAY control starts the motor and activates the deck's logic circuits which assess the size and correct speed of the record and instruct the arm to lower the stylus into the run-in groove. This is a very fast-acting yet highly accurate control system which gives you music within about 8 seconds – far more quickly and gently than the human hand could guarantee. The system is also error-proof; for example, it is impossible to lower the stylus unless there is a record on the turntable, so expensive mistakes and accidents just can't happen.

At the end of a record the motor automatically switches off and the arm returns to its rest position. If you wish, you can hear the same record over and over again automatically: just press PLAY once for each repeat required. Up to 7 consecutive performances can be pre-programmed in this way.

Beogram 5000's sound quality is everything you would expect from so sophisticated a unit. The ultra-lightweight arm has built-in anti-skating and tracking weight adjustment. It carries the MMC 4 pickup with a framed elliptical diamond stylus that tracks the record groove accurately and with minimum wear.

As a final gracenote we have included an interior light that switches on automatically when the lid is opened and stays alight while the unit is in play.

When connected to Beomaster 5000 the Beogram offers the added convenience of full infra-red remote control.
Dimensions: 6cm high (36.5cm with lid raised), 42cm wide, 32cm deep.
Finish: Brushed aluminium. Dark grey translucent dust cover.

Beocord 5000 £325

A top-quality cassette recorder, perfectly matched to Beomaster 5000. When the two units are used together the cassette deck can be operated entirely by remote control.

Beocord 5000 is of very advanced design both in its technical features and in its control/operation systems. For the home recording enthusiast it offers superb standards of sound quality and precision engineering.

Beogram 5000

Bang & Olufsen's patented HX PRO recording system, Dolby B and Dolby C noise reduction and a 6-layer Canon combination head with a 1.8m gap all contribute to a recording and playback performance that will delight even the most exacting technician.

For the novice or the non-technical music lover, Beocord 5000 represents a supremely straightforward way of making high-quality recordings and subsequently enjoying them in relaxing comfort.

Beocord 5000

Beogram CD 50

Every possible convenience has been built into the Beocord's control system. There is a START/GO function that rewinds the tape to its beginning and plays it without further instruction. And an automatic ADVANCE function (tape search) that finds the start of any required track from either end of the tape.

Selection between ferric, chrome and metal tapes is fully automatic, and setting the correct recording level is quick and easy using the input sliders and LED signal strength meters. You can switch instantly from one tape transport mode to another (e.g. from play to fast rewind) without any danger of tangling the tape or harming the mechanism.

The cassette tray and direct operation controls are housed in a motor-driven drawer which opens and closes at at touch. When used with Beomaster 5000, the Beocord can, of course, be programmed to record or play automatically at any set time.
Connections: Stereo microphone (DIN); Aux input DIN; Data link to Beomaster 5000. (One socket, three-way switchable.)
Dimensions: 6cm high, 42cm wide, 32cm deep.
Finish: Matt dark grey with alloy trim.

Beogram CD 50

The Compact Disc system is a very new technology that offers great advances in available sound quality, playing time and durability of the recorded signal by comparison with traditional vinyl records. The 12cm diameter discs carry the recording on one side only, but you still get up to one hour of music on each disc.

The signal is in the form of a digital code which is "read" by an optical laser system contained in the CD player. The highly reflective aluminium surface on which the code is laid down is coated with transparent plastic that is resistant to damage and easily cleaned. As the recording surface is never touched by the reading device and is permanently protected from dust, fingerprints and minor scratches, it can never deteriorate or wear out like the physically etched groove modulations of an ordinary record.

This digital technique also makes it possible for the disc to carry directory information about the number, duration and order of the tracks recorded upon it – data that the CD player can assimilate and store in its microcomputer memory. This means that the listener can "edit" the musical programme before or during play by instructing the microcomputer to play the tracks in a particular order, to omit some or repeat others etc.

Beogram CD 50 is a front-loading CD player. The disc is placed in a motorised drawer which opens at a touch and closes either by light finger-tip pressure or by operating the PLAY control. If a disc is incorrectly inserted, the drawer automatically reopens.

The SCAN function is a feature unique to the Beogram CD 50. You can sample the first 12 seconds of each track and either reject it from your programme or STORE its location for inclusion in a later playing sequence. A comprehensive display capability means you always know what is happening; what track is playing or due to be played, elapsed and remaining time of each track etc.

Since the Beogram CD 50 is designed as a component of the Beosystem 5000, it has a data-link connection to allow remote control of all functions via the Beomaster's Master Control Panel. However, since it is at present the only CD player in our range it is likely to be chosen for use in other Beosystems, so we have designed an optional remote keypad – Terminal CD 50 – that can transmit commands to an infra-red sensor on the Beogram's display facia.

The optional Terminal is also recommended for those wishing to combine Beogram CD 50 with a non-Bang & Olufsen hi-fi system.
Dimensions: 6cm high, 42cm wide, 32cm deep.
Finish: Matt dark grey with alloy trim.

Beosystem 5000

The speakers we recommend to complete the Beosystem 5000 are the Beovox S 55. These are fully described on pages 28-29.

Although all the units are available individually, there is a slight price advantage in buying Beomaster 5000, Beogram 5000, Beocord 5000 and a pair of Beovox S 55 as a single purchase. Please ask your dealer to advise you.

Round-the-house-hi-fi

Beosystem 5000 can be combined with Bang & Olufsen's unique Master Control Link (see pages 8-9) to give you top quality sound in up to 5 different rooms of your home. Sound that you can control from any of those rooms using Beomaster 5000's remote Master Control Panel, which also gives visual confirmation that your instructions are being obeyed.

Terminal 5000 £85

Some households may find it convenient to have a second remote control keypad for their Beosystem 5000, especially when a Master Control Link is in use. The Terminal 5000 is an optional accessory offering an economic solution in homes where a second room is used regularly for listening to music. The Terminal provides remote access to all Beosystem 5000's main functions but omits the pre-programming, sequencing and timer facilities found on the Master Control Panel supplied with Beomaster 5000, nor does it include visual feed-back.

Terminal 5000

K1472 as illustrated

Beosystem 6000/System Cabinet SC 60

Beomaster Terminal

Beosystem 6000

Beosystem 6000 is an electronically integrated high fidelity system with features that will satisfy your every need for a "next to live" musical performance. Whether your enjoyment comes from records, radio or cassettes you will always get clean, undistorted sound even at very high volume levels.

The complete Beosystem 6000 comprises Beomaster 6000 receiver, Beogram 6002 record deck, Beocord 8004 cassette recorder and two Beovox S80.2 speakers.

Of course, all the units in the system can be bought individually, but there is slight price advantage when the complete Beosystem 6000 is bought as a single purchase.

The remote control Terminal is offered as an optional accessory. It operates by infra-red light and lets you select any sound source, adjust volume, wind the tape or even make recordings without moving from your comfortable armchair.

Beomaster 6000

Beomaster 6000 £499.

This distinctive FM stereo receiver uses the very latest technology, both in its complex audio circuitry and in the microcomputer based control systems which make it such an effortless and pleasurable product to use – whether or not you decide to include the optional remote control facility.

The specialist radio section concentrates on the superb sound quality available from FM transmissions. It covers the entire FM band from 87.5 to 108 MHz and incorporates the most advanced techniques for accurate, drift-free stereo reception.

The amplifier gives 2 x 75 watts RMS with an extremely low level (0.08%) of harmonic distortion. Clean, clear sound – always. Two 24-hour timers let you play or record any sound source automatically. You don't even have to be at home. Or, if you want to be sure of hearing the same news programme every evening, set the REPEAT function to remember for you – day after day.

Connections include sockets for a record deck and two tape decks (DIN or RCA phono plugs) plus graphic equaliser, headphones and two pairs of loudspeakers.
Dimensions: 52.5cm wide, 15cm high, (24cm with lid raised), 38cm deep.
Finish: Natural teak or rosewood.

Optional remote control Terminal

It is possible to control the complete Beosystem 6000 from the comfort of your chair via the infra-red Beomaster Terminal, available as an optional accessory. Play records, cassette tapes or any of 6 pre-set radio programmes; make recordings; adjust volume level; switch off. Your instructions are processed by the Beomaster's microcomputer and obeyed instantly.

Beogram 6002 £275

This tangential-tracking record deck offers superb sound quality from your records plus the assurance that its playing precision will minimise groove wear and keep your albums "like new" for a very long time.

Operation is totally automatic. Record size and speed are identified by a "magic eye" (photodiode) carried on a detector arm which travels ahead of the tone arm. Fast and slow scan (both inward and outward) facilities let you locate and play inner tracks without touching the delicate arm or pick-up.

The pick-up is the MMC 3, with an unframed elliptical diamond carried on a tapered tubular cantilever of aluminium. The total effective tip mass of this arm/pick-up combination is a mere 0.35mg – no wonder Beogram 6002 is so kind to your records!

The motor is a DC tacho-motor controlled by an electronic servo-circuit. Turntable drive is via a flat belt. The turntable and its bearings are mounted on the same inner chassis as the tone arm, and this is totally isolated from the motor, deckplate and outer chassis by a sophisticated pendulum suspension system.

When connected to Beomaster 6000, Beogram 6002 has an electronic data-link which makes it controllable via the Beomaster's main controls or optional remote Terminal.
Dimensions: 49cm wide, 9cm high (40.5cm with lid raised), 37.5cm deep.
Finish: Aluminium deck, natural teak or rosewood plinth.

Beocord 8004 £395.

Beocord 8004 has its own microcomputer which takes care of most of the tasks involved in recording and listening to cassette tapes.

The microcomputer is also responsible for one of Beocord 8004's most advanced and unique features – the real-time tape counter. Actual minutes and seconds are used to measure elapsed time, so you always know how much recording time is left to fill.

Selection between chrome, ferric and metal tape characteristics is automatic. So is the operation of the HX Professional recording system – a technique developed by Bang & Olufsen to expand the peak ceiling level of all types of tapes. The provision of Dolby B and Dolby C noise reduction improves the sound quality of your recordings even further.

The tape head of the Beocord 8004 is a single combination head of superb technical quality. Both the poles and the bedding are made of Sendust alloy.

Locating particular recordings is quick and easy using the Beocord's computerised tape address system. Just key-in the track's start time – in minutes and seconds – press go, and wait a few seconds. The tape will automatically wind to that location and begin to play.

For recording an important broadcast while you are out of the house (or when you don't want to spend the evening clock-watching) there is a twenty-four hour electronic timer. With a few touches on the programming buttons you can store the station, start time and stop time in the microcomputer's memory. It will then carry out your instructions at the appropriate hour – regardless of how you might use the recorder in the interim.
Dimensions: 53cm wide, 13cm high (24.5cm with lid raised), 30cm deep.
Finish: Facia, matt black/aluminium. Plinth, natural teak or rosewood.

Round-the-house-hi-fi

If you decide to include the optional remote control Terminal in your Beosystem 6000, it can be used in conjunction with our Master Control Link equipment to operate your hi-fi from any room in the house. A small extra module will need to be fitted to the Beomaster 6000 to extend its capabilities in this way and, of course, communication via the Master Control Link will be one-way only.

Beogram 6002

Beocord 8004

In a system of hi-fi separates, the individual music-lover may have a particular reason for wanting to include one or more sound sources that are either more highly or more modestly specified than the products recommended here as part of an 'ideal' Beosystem. Or there may exist a need for an additional record deck or a second cassette recorder to be teamed with a Beocenter system. Or perhaps you are just looking for a single unit to replace existing equipment in a non-Bang & Olufsen system.

On this and the following 3 pages we present models that can be used in any of these ways. They offer alternatives in both features and cost, allowing you to build up a hi-fi system that is perfectly suited to your needs, your technical demands and your budget.

Beogram 1800

This radial-tracking deck combines ease of operation with superb performance specifications. It features a new, advanced type of tone arm carrying the remarkable MMC5 pick-up – a tiny plug-in capsule weighing a mere 1.6 grams, with an unframed elliptical diamond stylus.

The platter is a lightweight design (400 grams) to reduce torque at starting. Its carefully milled profile, with large metal surfaces set between slim bands of Nextell, ensures high electrical capacitance between the record and the metal, effectively earthing static charges without actual contact. It is driven by a flat rubber belt from a tacho-controlled DC motor. The belt's compliance acts as a mechanical filter, preventing motor vibrations from reaching the record and stylus.

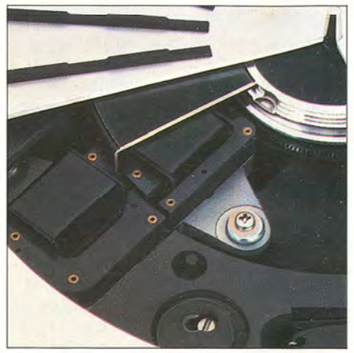
To complement this improved arm/cartridge combination, we have given Beogram 1800 a new, faster acting movement control system so that automatic operation gives you music within a very few seconds. So cueing is really fast, but still careful with your records.

For improved record safety you can operate normal PLAY and STOP functions while the lid is closed. Just one touch – the rest is automatic. Record size and speed are identified by the Beogram's logic circuits.

Beogram 1800's slim plinth has a brushed aluminium finish.
Dimensions: 44cm wide x 8.5cm high (37cm with lid raised) x 33cm deep.

£109.95

Beogram 1800



Beogram 8002

Beogram 8002 is a "state of the art" product with a performance capability as near ideal as anyone has yet devised.

The platter is driven not by a conventional motor, but by a unique tangential-drive system that has no moving parts and no physical contact with the turntable.

Tangential drive works on the same principle as the ordinary domestic electricity meter (a form of electric "motor" which you have probably always lived with yet been totally unaware of, since its disc continues rotating silently and accurately, year after year without any maintenance whatever). The speed of rotation is dependent on the amount of current passing through the coils, and our use of a quartz-controlled electronic servo-circuit to govern current flow keeps the turntable speed constant and highly accurate.

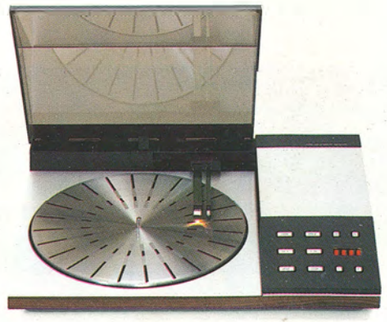
The tangential-tracking arm carries the pickup in a straight line from the edge of the record to its centre – the same geometry used in cutting the original master-disc – so skating effect does not occur, and vertical tracking error is barely measurable.

The pickup is the latest type – MMC 2. Its unframed diamond stylus has a multi-faceted (contact line) profile which can follow every last detail of the groove modulations.

Beogram 8002 has a computerised control system that makes operation so easy that you don't even have to think about it. Just press PLAY. Machine Intelligence will identify the size and playing speed of the record. If you want to hear the same disc more than once, press PLAY for each time you want to listen – up to 9 times. The number of repeats you have ordered will appear as the last digit on the speed read-out panel.

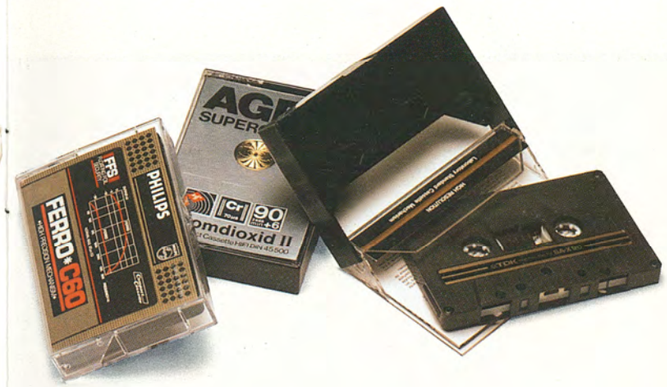
You can scan the arm – inwards or outwards – to any track on the record in fast or slow motion. Manual override buttons are provided for playing non-standard discs.

Beogram 8002 can be operated by remote control when used with Beomasters 2000, 5000 or 6000.
Dimensions: 49cm wide, 9cm high (40.5cm with lid raised), 37.5cm deep.
Finish: Aluminium deck, black facia, natural teak or rosewood plinth.



£395

Beogram 8002



Beocord 2000

Designed as a perfect match for Beomaster 2000, this slim-line cassette recorder is nonetheless a serious hi-fi product in its own right. Despite its unassuming appearance, Beocord 2000 contains a full pay-load of advanced cicuitry plus a few extra features rarely found in cassette decks within this price frame.

The primary controls – those concerned with tape movement – are totally electronic and designed on the Sensitouch principle. There are no knobs to turn or keys to press: a light fingertip touch is sufficient to activate any function.

Ferric, chrome or metal tapes can be used, and Dolby B noise reduction is included to ensure clean, hiss-free recordings. A clearly calibrated scale and input slider, together with the large Peak Programme Meter, make it quick and easy to set accurate recording levels. These controls are placed adjacent to the cassette tray beneath a hinged lid that springs open at a touch.

Beocord 2000's built-in microcomputer makes operation fast and foolproof. It is possible to switch directly between any and all tape transport modes without harming the tape, the mechanism or the motor. Microcomputer intelligence also opens the way for additional control functions that will contribute in a very practical way to your daily enjoyment of tapes music.

A NEXT control allows easy track location (tape scan): one touch fast winds the tape to the next signal gap and plays the following track. Automatically. So if you want to hear, for example, track number 5, just touch-and-wait four times and the place will be found for you. Similarly, you can repeat play-back of a favourite track up to five times just with a single touch. It's such a convenient way of listening to exactly what you want, when you want.

Beocord 2000 has a socket for data-link connection to Beomaster 2000 so that direct switching is possible between Beomaster, Beogram and Beocord in the Beosystem 2000. The deck may also be data-linked to Beomaster 5000 or Beomaster 6000, when all tape functions can be operated via the receiver's remote control system.
Dimensions: 42cm wide, 6cm high (12.5cm with lid raised), 25cm deep.
Finish: Matt dark grey with alloy trim. Cabinet sides are finished in a choice of natural teak or rosewood, or white to special order.

Beocord 9000

Beocord 9000 stands alone in the world of cassette decks. It includes every possible technical refinement to make recording and playback quality as near perfect as the state of the art allows, and to render that perfection as instantly accessible as only Bang & Olufsen can make it.

By means of our patented HX PRO recording technique, Beocord 9000 automatically adjusts itself to the music during recording so that reproduction is audibly as good as the source. But this remarkable deck is also able to adjust itself to the technical specification of each individual tape – a process called 'tape calibration'.

At the touch of a button, the computer-controlled calibration system measures the four vital parameters of the tape you have inserted – bias, equalisation, sensitivity and distortion – and actually adjusts the deck's own recording characteristics to match them exactly.

As a serious recordist, you no doubt have your particular favourites among the many brands and types of cassette tape now available. And your particular hates too! The results you have been achieving up to now – the best and the worst – don't necessarily prove the quality of that brand of tape or of your equipment. Good results are partly a measure of how closely the tape's technical characteristics match the "average" recording parameters for which your machine is adjusted during manufacture. The tape brand you have identified as "the best" may, on another type of recorder, sound quite poor. The fact is that tape manufacturers design their tapes for use with as many different recorders as possible, while the equipment manufacturers design their decks to to use all brands and types of tape. So both industries rely on a set of "average" specifications.

But microcomputer technology has freed Bang & Olufsen from this hit and miss approach. We have given the Beocord 9000 the ability to monitor the tape and set its own recording characteristics accordingly, thereby creating a perfect partnership within very fine tolerances.

What is more, Beocord 9000 can show you on a digital read-out panel what the settings are, and can store them in its computer memory. Calibration data for each of the three tape types – ferric, chrome and metal – can be stored in this way.

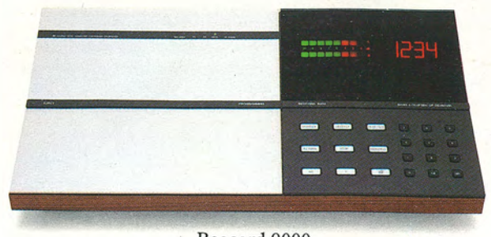
The tape calibration process is fully automated and takes about 9 seconds from the touch of the button.

Beocord 9000 features a new Sendust/ferrite tape head, specially designed for Bang & Olufsen. It has separate tone-gaps for recording and playback, housed in a single casing. Compared to a combination head, this arrangement affords wider frequency response and constantly correct azimuth between recording and playback.

The electronic tape counter uses real time – actual minutes and seconds – to measure and display tape consumption. It can also show you how much recording time is left on the cassette so you can plan your recordings very economically, right down to the last few centimetres of tape.

Locating particular recordings is just a matter of keying-in the track's start time and pressing GO. The Beocord's computerised tape address system will fast-wind the tape to that location and begin to play. A 24-hour electronic timer lets you pre-program the Beocord to record automatically at a given time.

Beocord 9000 has a data-link connection for Beomaster 5000 or Beomaster 6000, when all tape functions can be operated via the receiver's remote control system.
Connections: Radio in; DIN/Line; Microphone (stereo); AUX input; Radio out (level adjustable); stereo headphones.
Dimensions: 53cm wide, 13cm high (24.5cm with lid raised), 30cm deep.
Finish: Facia – aluminium and matt black. Plinth – natural teak or rosewood.



Beocord 9000

£650

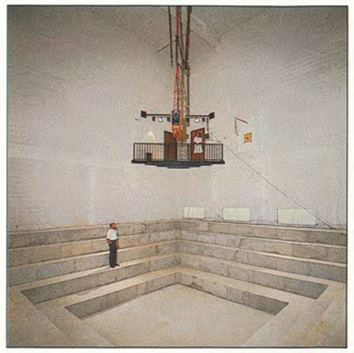
There is, at the present time, a developing trend among loud-speaker manufacturers to produce models claimed to be "great disco speakers" or "ideal for classical music." This is another way of saying that the speaker's reproduction characteristics have been in some way manipulated to favour a specific kind of music.

That's all very well as long as your taste is limited strictly to the type of music for which the speakers were designed, but take one step outside that narrow boundary and you will hear some very unnatural sounds indeed.

Bang & Olufsen is one of the few companies to believe that loud-speakers should be neutral sound reproducers; that they should simply convert electrical signals from the amplifier into audible sound waves, without introducing any tonal characteristics of their own. Therefore, our Beovox speakers do not emphasise certain instruments at the expense of others, but offer a true reproduction of what the musicians, conductors and sound engineers intended you to hear when the music was broadcast or recorded.

We believe that music-lovers have the right to hear the truth, not our opinion of what that truth should be. If individual listeners wish to accent the bass of heavy rock, or compensate for a slight impairment of high-frequency hearing, they can do so by adjusting the amplifier's tone controls: it is not the function of a speaker manufacturer to do it for them.

The Beovox speaker range offers a wide choice of accurate, neutral sound reproducers which span from very small units to large systems that can be used for professional monitoring purposes. Power handling capacities go from 25 watts RMS to 120 watts RMS. The small speakers are intended



for stereo receivers of limited power used in small-to-average rooms, while the biggest models suit powerful receivers and can fill even large rooms with high-fidelity sound.

Technically, today's Beovox speakers are a further development of Bang & Olufsen's phase linear principle which was first introduced in 1975 and has since inspired many other speaker manufacturers. Phase linearity in a multi-unit speaker system means that all tones are radiated at the same time from the different drivers. This technique ensures improved width and depth in stereo music, with the individual instruments and soloists sounding well-defined and easily locatable – not squashed and muffled into an indefinable mass.

Computer-aided research and the development of new methods and materials have helped us to maintain our lead in the technical aspects of speaker design, while our awareness of environmental demands has resulted in a range of speakers that are visually the least obtrusive on the market.

To a dedicated audiophile, the physical appearance of loudspeakers is secondary, as long as their sound quality is the highest possible. But very few audiophiles live like hermits. Most of them have families and friends who take the more usual view that speakers should be heard and not seen.

Not even Bang & Olufsen's design skills can make a pair of large hi-fi speakers disappear into a room, but our use of dark, anonymous fabrics and rich-grained natural wood veneers in our larger Beovox models does mean that what "can't be cured" can at least be comfortably and pleasantly "endured." You will find, too, that the physical size of loudspeakers is no longer a criterion in the matter of either sound quality or power-handling capacity. Even if your chosen receiver has a power output of 75 watts RMS, you can safely match it with Beovox C 75's – bookshelf speakers that are no taller than an LP record and which boast a performance specification outstanding in their price frame.

In brief, the facts to remember about Bang & Olufsen speakers are these. All Beovox models are neutral sound reproducers with linear phase characteristics. They are the equal of the most technically competent speakers on the market. They are very inobtrusive in design and offer more furnishing options than any other brand.

Although we could give you lengthy technical proof that Beovox speakers are close to 100% accurate in precise sound reproduction, we think your ears are the best judge. So please ask your Bang & Olufsen dealer to arrange a listening test in which you can compare our speakers with other makes and with each other. The "best" loudspeakers are the ones **you** think sound the best, and they are the ones you should buy.

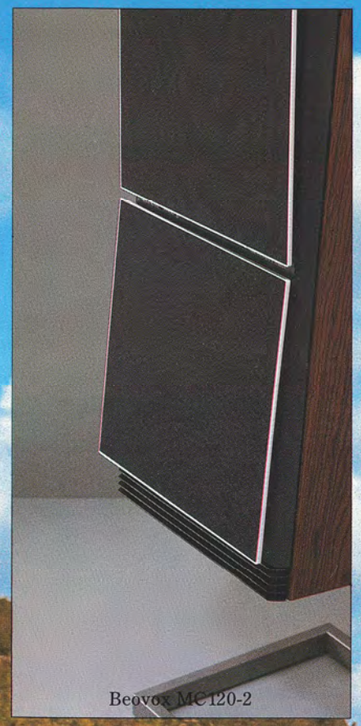
We are confident that your first choice will carry the name "Beovox."

Priced per pair

£350

Beovox MC 120-2

Beovox MC 120-2 will handle up to 120 watts RMS power. The 8″ woofer, 3″ mid/phase-link unit and 1″ dome tweeter are protected from overload by an automatic circuit. The port reflex cabinet allows full bass performance despite modest size. This model can be placed in a shelf system. Alternatively, optional wall-mounting brackets and floor pedestals are available.
Dimensions: 26cm x 56cm x 27.5cm.
Finish: Natural teak or rosewood. Oak or white to special order.



Beovox MC 120-2

£229

Beovox S 80-2

Beovox S 80-2 gives neutral sound reproduction with the added realism afforded by depth definition and perspective. Up to 80 watts RMS power can be handled faithfully and safely. A 3″ mid-range/phase-link unit combines with an 8.25″ woofer and 1″ dome tweeter to provide a wide frequency response and no audible phase distortion. Overload protection is automatic. The cabinet is of pressure chamber construction. Optional pedestals and wall fixing kits are available.
Dimensions: 26.5cm x 53cm x 27.5cm.
Finish: Natural teak or rosewood. Oak or white to special order.

Beovox S 80-2

£199.

Beovox S 55

Beovox S 55 is an ideal bookshelf speaker, but may also be used as a wall mounting or free-standing model with the optional fittings available separately. The pressure chamber cabinet contains an 8.25″ bass driver, a 4.5″ mid-range/phase-link unit and a 1″ tweeter. Power handling is 55 watts RMS.
Dimensions: 26.5cm x 52.5cm x 23cm.
Finish: Natural teak or rosewood. Oak or white to special order.

Beovox S 55

£149.

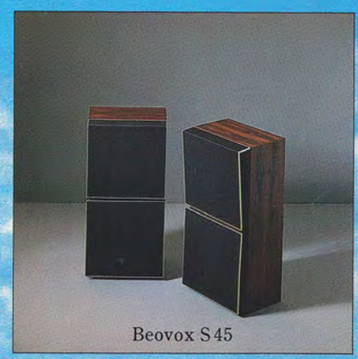
Beovox S 45

Beovox S 45 uses a two-unit configuration to reproduce music faithfully and clearly. They handle up to 45 watts RMS and are ideal for mounting within a shelving system.
Dimensions: 26.5cm x 52.5cm x 20cm.
Finish: Natural teak or rosewood. Oak or white to special order.

£89.

Beovox S 30

Beovox S 30 can easily be placed anywhere and anyhow you want – on a table, in a bookshelf, or mounted on a wall using the optional brackets. Power handling is 30 watts RMS, and the studied relationship between cabinet design, crossover technique and the two drive units ensures optimum sound quality and fidelity with all types of music.
Dimensions: 26cm x 48cm x 18cm.
Finish: Natural teak or rosewood. Oak or white to special order.



Beovox S 45

Beovox C30

Beovox C40

Beovox C75

£99 £135 £189

Beovox C30, C40 and C75

Beovox C30, C40 and C75 are specially designed to overcome the acoustic problems inherent in smaller rooms i.e. where the opposing walls are less than 3.5 metres (about 12′) apart. In this constricted space, low frequency sound can bounce back and forth, building up a 'standing wave' or resonance at a certain frequency. In other words, the room itself can 'ring' – much like a wineglass flicked with a fingernail.

To overcome the resonance problem our compact speakers have special cabinets, with interior partitions so placed that the rear radiation from the drive units follows a path that is not constant because of the logarithmically decreasing flow resistance it encounters on its route to the rear ports. This design is called the 'log-line' technique.

Beovox C75 is no taller than an LP record, yet it's reproduction quality equals some of our full-size models. The one-piece aluminium long-line casing and separate bass and treble drivers ensure accurate sound without spurious resonances. Power handling is 75 watts RMS.
Dimensions: 12cm x 32cm x 20.5cm.

Beovox C40 and C30 also offer high performance from deceptively small cabinets. Both models have a 4″ bass unit and 1″ tweeter mounted in thick aluminium log-line casings. Their power handling capacities are 40 watts and 30 watts RMS respectively.
Dimensions: (C40) 12cm x 20.5cm x 20.5cm. (C30) 12cm x 20.5cm x 14.5cm.
Finish: All three compact models are available in matt black or natural aluminium.

£39.

U 70

Headphones

Bang & Olufsen U.70 stereo headphones are probably the most useful accessory you can buy for your hi-fi system. Unless you live alone and have only yourself to consider, or are lucky enough to have a separate room devoted exclusively to music, headphones are virtually a must. They not only provide a private world for the person who wants to listen without distraction, they also allow others in the household the freedom to talk – or watch TV – uninhibited by the music.

U.70 headphones are lightweight (only 300 grams) and are very comfortable to wear, even for long periods. The earcups can be individually adjusted both vertically and laterally, and locked into position. You can also adjust height using the inner headband. The softly padded earcups are of the semi-open type; they exclude most extraneous noise but are not so completely sealed that you cannot hear the phone ring.

Technically, the U.70's have a power handling capacity of 2 watts RMS and use the ortho-dynamic principle to reproduce sound with all the accuracy and fidelity of a good loudspeaker. They are supplied with 3 metres of cable fitted to a jack plug. Connecting the plug to the headphone socket of your Bang & Olufsen receiver automatically switches off the main speakers.

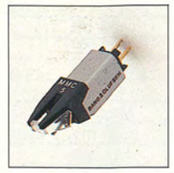
For the hearing-impaired

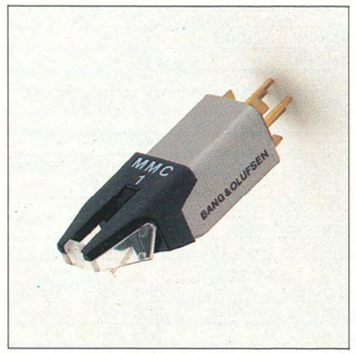
There are many listeners who cannot enjoy radio programmes and records to the full because of a hearing impairment. This problem might be partially or wholly alleviated by the use of Bang & Olufsen's Loop Amplifier* – an audio accessory that works as an inductive loop in conjunction with most modern hearing aids.

The Loop Amplifier can be used with all our hi-fi systems and Beovision colour TV's and can be installed so discreetly that nobody but the user will either see or hear it in operation. The special wiring can be fitted permanently around the perimeter of the room, giving the hearing impaired listener total freedom of movement. Or the same Amplifier can be used to power a mini-loop, worn around the neck when required.

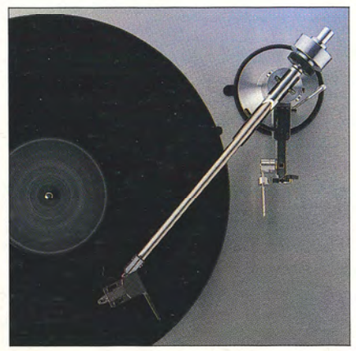
Providing your personal hearing aid as 'T' (telephone) switch position, you can probably enjoy boosted audio reception from your Bang & Olufsen hi-fi and TV without disturbing others in the room. It is important to check that this equipment will be of benefit to you before buying, so please send for our explanatory leaflet or ask your Bang & Olufsen dealer to advise you.

*Useful information about this type of aid to hearing is given under "Inductive Loops" in the RNID's booklet "TV/Radio Adaptors and the Loop System" (1982).





TECHNICAL SPECIFICATIONS	MMC 1	MMC 2	MMC 3	MMC 4	MMC 5
Stylus	Contact line diamond 0.1x0.1 mm sqr. nude	Contact line diamond 0.12x0.12 mm sqr. nude	Elliptical diamond 0.15x0.15 mm sqr. nude	Elliptical diamond 0.20 mm round titanium bonded	Elliptical diamond 0.25 mm round titanium bonded
Radius of curvature	contact line	contact line	6 x 17 µm	6 x 17µm	6 17 µm
Cantilever	sapphire tube	sapphire tube	tapered alu. tube	tapered alu. tube	straight alu. tube
Recommended tracking force	10 mN/1 gram	10 mN/1 gram	12 mN/1.2 gram	12 mN/1.2 gram	15 mN/1.5 gram
Effective tip mass	0.25 mg	0.3 mg	0.35 mg	0.4 mg	0.5 mg
Compliance	30 µm/mN	30 µm/mN	25 µm/mN	25 µm/mN	20 µm/mN
Frequency response	20-20.000 Hz ±1 dB	20-20.000 Hz ±1.5 dB	20-20.000 Hz ±2 dB	20-20.000 Hz ±2.5 dB	20-20.000 Hz ±3 dB
Channel separation					
1000 Hz	>30 dB	>25 dB	>25 dB	>22 dB	>20 dB
50-15.000 Hz	>22 dB	>20 dB	>20 dB	>17 dB	>15 dB
Channel difference	<1 dB	<1.5 dB	<1.5 dB	<2 dB	<2.5 dB
Output voltage	>0.6 mV/cm/sec.	>0.6 mV/cm/sec.	>0.6 mV/cm/sec.	>0.6 mV/cm/sec.	>0.6 mV/cm/sec.
5 cm/sec. lat. RMS	>2.12 mV	>2.12 mV	>2.12 mV	>2.12 mV	>2.12 mV
Cartridge weight without bracket	1.6 gram	1.6 gram	1.6 gram	1.6 gram	1.6 gram
Load: Resistance	>47 kohms	>47 kohms	>47 kohms	>47 kohms	>47 kohms
Capacity	<400 pF	<400 pF	<400 pF	<400 pF	<400 pF



MMC Pickup Cartridges

Our newest generation of pickups comprises five high-quality cartridges in which the electrical and magnetic components are identical. Only the stylus and cantilever differs from model to model, offering a choice of ETM (effective tip mass), tracking force and compliance – and, consequently, of cost.

All Bang & Olufsen record decks are supplied complete with a plug-in MMC pickup, but it is possible to upgrade the performance of your deck, if desired, by choosing the MMC model next up the specification scale. The obvious time to do this would be when the existing stylus needs replacing through natural wear.

For use with non-Bang & Olufsen decks, a low-mass universal mounting bracket is supplied with each MMC pickup, allowing effortless installation on virtually all brands of tonearm.

Detailed information on the design, development and technical characteristics of all five MMC models is set out in a special leaflet – The New MMC Cartridge Series – available from your Bang & Olufsen dealer.

BEOCENTER	Beocenter 2200	Beocenter 7007	Beocenter 7700
Type No.	2422	1821	1811
Power output RMS DIN	2 × 25 watts/4 ohms	2 × 40 watts/4 ohms	2 × 40 watts/4 ohms
	2 × 20 watts/8 ohms	2 × 30 watts/8 ohms	2 × 30 watts/8 ohms
Power output 20-20,000 Hz		2 × 30 watts/4 ohms	2 × 30 watts/4 ohms
		2 × 25 watts/8 ohms	2 × 25 watts/8 ohms
Harmonic distortion -26 dB	<0.15%	<0.1%	<0.1%
Harmonic distortion	<0.2%	<0.1%	<0.1%
Intermodulation	<0.4%	<0.3%	<0.3%
Frequency range ±1.5 dB	20.20,000 Hz	20.30,000 Hz	20.30,000 Hz
Power bandwidth		10-50,000 Hz	10-50,000 Hz
Damping factor	20	25	25
TAPE 2 input	600 mV/40 kohms	150 mV/47 kohms	150 mV/47 kohms
Microphone input	0.15 mV/2 kohms	0.1 mV/470 kohms	0.1 mV/470 kohms
Signal-to-noise ratio phono	>78 dB	>82 dB	>82 dB
Signal-to-noise ratio tape		>82 dB	>82 dB
Channel separation 1000 Hz	>46 dB	>50 dB	>50 dB
250-10,000 Hz		>35 dB	>35 dB
Headphones output	Max. 16 V/220 ohms	Max. 20 V/200 ohms	Max. 20 V/200 ohms
TAPE 2 output (FM ±40 kHz)	200 mV/1 kohms	500 mV/1 kohms	500 mV/1 kohms
Bass control at 40 Hz	±14 dB	±11 dB	±11 dB
Treble control at 12,500 Hz	±14 dB	±11 dB	±11 dB
FM range	87.5-108 MHz	87.5-108 MHz	87.5-108 MHz
FM aerial impedance	75/240 ohms	75/240 ohms	75/240 ohms
FM sensitivity stereo 46 dB	<35 µV/75 ohms	<25 µV/75 ohms	<25 µV/75 ohms
Frequency range ±1.5 dB	20-15,000 Hz	20-15,000 Hz	20-15,000 Hz
Harmonic distortion	<0.5%	<0.2%	<0.2%
Stereo channel separation	>35 dB	>35 dB	>35 dB
AM ranges			
LW	147-350 kHz	147-320 kHz	147-320 kHz
MW	520-1610 kHz	520-1610 kHz	520-1610 kHz
Sensitivity LW 20 dB	110 µV	<100 µV	<100 µV
Sensitivity MW 20 dB	90 µV	<80 µV	<80 µV
Record player			
Pickup	MMC 5	MMC 5	MMC 4
Stylus	Elliptical diamond	Elliptical diamond	Elliptical diamond
Radius of curvature	6 × 17 µm	6 × 17 µm	6 × 17 µm
Frequency range	20-20,000 Hz ±3 dB	20-20,000 Hz ±3 dB	20-20,000 Hz ±2.5 dB
Channel separation 1000 Hz	>20 dB	>20 dB	>22 dB
50-15,000 Hz	>15 dB	>15 dB	>17 dB
Channel difference	<2.5 dB	<2.5 dB	<2 dB
Recommended stylus pressure	15 mN/1.5 gram	15 mN/1.5 gram	12 mN/1.2 gram
Compliance	20 µm/mN	20 µm/mN	25 µm/mN
Effective tip mass	0.5 mg	0.5 mg	0.4 mg
Sensitivity mV/cm/sec.	>0.6 mV/47 kohms	>0.6 mV/47 kohms	>0.6 mV/47 kohms
Output 5 cm lateral	>2.12 mV/47 kohms	>2.12 mV/47 kohms	>2.12 mV/47 kohms
Tonearm	Radial	Radial	Radial
Antiskating	Integrated	Integrated	Integrated
Stylus pressure range	0-2 gram	0-2 gram	0-2 gram
Speeds	33-45 rpm.	33-45 rpm.	33-45 rpm.
Wow and flutter, DIN	<±0.07%	<±0.09%	<±0.09%
Wow and flutter, WRMS	<±0.035%	<±0.045%	<±0.045%
Rumble weighted	>70 dB	>65 dB	>65 dB
Rumble unweighted	>50 dB	>45 dB	>45 dB
Speed deviation	<0.5%	<0.5%	<0.5%
Motor	Servo controlled DC	Servo controlled DC	Servo controlled DC
Taperecorder			
Compact cassette	C 60 - C 90	C 60 - C 90	C 60 - C 90
Tape head	Super permalloy	Sendust	Sendust
Noise reduction	Dolby B	Dolby B	Dolby B
Tape switch	Aut. ferro/chrom,	Aut. ferro/chrom,	Aut. ferro/chrom,
	manual metal	manual metal	manual metal
Wow and flutter	<±0.2%	<±0.15%	<±0.15%
Speed deviation	<±1.5%	<±1.5%	<±1.5%
Fast forward and rewind (C 60)	75 sec.	70 sec.	70 sec.
Frequency range chrom-metal	30-15,000 Hz	30-16,000 Hz ±2.5 dB	30-16,000 Hz ±2.5 dB
Signal-to-noise ratio			
Metal Dolby NR	>66 dB	>66 dB	>66 dB
Chrom Dolby NR	>65 dB	>64 dB	>64 dB
Ferro Dolby NR	>63 dB	>62 dB	>62 dB
Metal	>58 dB	>59 dB	>59 dB
Chrom	>57 dB	>57 dB	>57 dB
Erasure	>70 dB	>70 dB	>70 dB
Other data			
Power supply	240 (110-130-220) volts	220 (110-130-240) volts	220 (110-130-240) volts
Power frequency	50-60 Hz	50-60 Hz	50-60 Hz
Power comsumption	18-135 W	20-250 W	20-250 W
Dimensions W × H × D	74 × 9.5 × 32.5 cm	72 × 9.5 × 39 cm	72 × 9.5 × 39 cm
Weight	11 kg	16.5 kg	16.5 kg

BEOGRAM
Type No.
Pickup cartridge
Wow and flutter, DIN
Wow and flutter, WRMS
Rumble DIN weighted
Rumble DIN unweighted
Speeds
Speed deviation
Speed control range
Tangential tracking
Power supply
Power frequency
Power consumption
Dimensions W×H×D
Weight

BEOMASTER, IHF	Beomaster 2000	Beomaster 5000	Beomaster 6000
Type No.	2912	2322	2252
Power output RMS DIN/IEC	2 × 30 watts/8 ohms	2×60 watts/8 ohms	2×75 watts/8 ohms
Power output music	2 × 45 watts/4 ohms	2×85 watts/8 ohms	
Harmonic distortion DIN/IEC	<0.08%	<0.02%	
Power output 20-20,000 Hz IHF	2 × 25 watts/8 ohms	2 × 55 watts/8 ohms	2×75 watts/8 ohms
Total harmonic distortion IHF	< 0.1%	<0.09%	<0.08%
Following measurements			
IHF A-202:			
Dynamic headroom	<1.6 dB/8 ohms	1.5 dB/8 ohms	0.7 dB/8 ohms
IHF intermodulation 8 ohms	0.1%	<0.1%	<0.05%
Frequency response Phono	20-20,000 Hz ±1.5 dB	20-20,000 Hz ±1.5 dB	20-20,000 Hz ±1.5 dB
Frequency response Tape	20-20,000 Hz ±1.5 dB	20-20,000 Hz ±1.5 dB	20-20,000 Hz ±1.5 dB
Wideband damping factor	35	70	60
Input sensitivity/impedance:			
Phono	0.45 mV/47 kohms	0.3-0.6 mV/47 kohms	0.22 mV/47 kohms
Tape	40 mV/150 kohms	23 mV/220 kohms	22 mV/200 kohms
Line (at specified power output)			500 mV/15-47 kohms
Overload level phono	50 mV	55-110 mV	80 mV
Tape	3 V	6 V	8 V
S/N ratio Phono	>75 dB	>75 dB	>75 dB
S/N ratio Tape	>80 dB	>76 dB	>78 dB
Channel separation	40 dB	45 dB	50 dB
Output tape	500 mV/1 kohms	400 mV/1 kohms	530 mV/1 kohms
Line		450 mV/1 kohms	500 mV/1 kohms
Headphones	Max. 12 V/220 ohms	Max. 10 V/470 ohms	Max. 14 V/200 ohms
Bass control 40 Hz	±10 dB	±12 dB	±11 dB
Treble control 12,500 Hz	±10 dB	±11 dB	±11 dB
Filter 1 cutoff frequency			
Filter 2 cutoff frequency			
FM usable sensitivity mono	17 dBf-2 µV/75 ohms	15 dBf-1.5 µV/75 ohms	15 dBf-1.5 µV/75 ohms
FM usable sensitivity stereo	23 dBf-3.8 µV/75 ohms	17 dBf-2 µV/75 ohms	17 dBf-2 µV/75 ohms
50 dB quiting sensitivity mono	23 dBf-3.8 µV/75 ohms	21 dBf-3.2 µV/75 ohms	21 dBf-3 µV/75 ohms
50 dB quiting sensitivity stereo	43 dBf-28 µV/75 ohms	42 dBf-35 µV/75 ohms	40 dBf-28 µV/75 ohms
S/N ratio 65 dBf mono	72 dB	70 dB	77 dB
S/N ratio 65 dBf stereo	67 dB	67 dB	71 dB
Channel separation	40 dB	40 dB	40 dB
FM frequency response	30-15,000 Hz ±1.8 dB	20-15,000 Hz ±1.5 dB	20-15,000 Hz ±1 dB
Distortion 65 dBf mono	0.3%	0.3%	0.2%
Distortion 65 dBf stereo	0.35%	0.35%	0.3%
Intermodulation mono	0.05%	0.05%	0.02%
Intermodulation stereo	0.25%	0.25%	0.18%
Capture ratio	1.7 dB	1.8 dB	1.8 dB
Adjacent channel selectivity	5 dB	6 dB	6 dB
Alternate channel selectivity	60 dB	56 dB	65 dB
Spurious response	80 dB	100 dB	110 dB
Image response ratio	60 dB	75 dB	86 dB
Subcarrier rejection	55 dB	64 dB	72 dB
LW range	150-350 kHz	150-350 kHz	
MW range	520-1610 kHz	520-1610 kHz	
LW sensitivity 20 dB S/N ratio	120 µV	140 µV	
MW sensitivity 20 dB S/N ratio	100 µV	100 µV	
Power supply	240 V/50-60 Hz	240 V/50-60 Hz	240 V/50-60 Hz
Power consumption	20-170 W	15-260 W	50-320 W
Dimensions W × H × D	62×7×25 cm	42×7.5×32.5 cm	52.5×15×38 cm
Weight	7 kg	8.5 kg	14 kg

Beogram 1800	Beogram 2000	Beogram 5000	Beogram 6002	Beogram 8002
5811	5821	5803	5646	5636
MMC 5	MMC 4	MMC 4	MMC 3	MMC 2
<±0.07%	<±0.07%	<±0.07%	<±0.07%	<±0.04%
<±0.035%	<±0.035%	<±0.035%	<±0.035%	<±0.02%
>75 dB	>75 dB	>75 dB	>70 dB	>75 dB
>55 dB	>55 dB	>55 dB	>45 dB	>50 dB
33-45 rpm.	33-45 rpm.	33-45 rpm.	33-45 rpm.	33-45 rpm.
<±0.2%	<±0.2%	<±0.2%	<±0.2%	<0.003%
				±3%
			<0.04°	<0.04°
190-265 (90-130) volts	190-265 (90-130) volts	190-265 (90-130) volts	240 volts	240 volts
50-60 Hz	50-60 Hz	50-60 Hz	50 Hz	50 Hz
<10 watts	<10 watts	<10 watts	15 watts	15 watts
42×8×32.5 cm	42×8×32.5 cm	42×7.5×32.5 cm	49×9×37.5 cm	49×9×37.5 cm
6 kg	6 kg	6 kg	9 kg	9 kg

BEOCORD	**Beocord 2000**	**Beocord 5000**	**Beocord 8004**	**Beocord 9000**
Type No.	2922	4922	4865	4815
Compact Cassette	C46-C60-C90-C120	C46-C60-C90-C120	C46-C60-C90-C120	C46-C60-C90-C120
Tape head	M&X	M&X	Sendust	Double, sendust/ferrite
Recording system		HX PRO	HX PRO	HX PRO
Noise reduction system	Dolby B	Dolby B and C	Dolby B and C	Dolby B and C
Tape switch	Manual ferro/chrom/	Aut. ferro/chrom/metal	Aut. ferro/chrom/metal	Aut. ferro/ferrochrom/
	metal			chrom/metal
Wow and flutter DIN	<±0.2%	<±0.13%	<±0.1%	<±0.1%
Wow and flutter WRMS	<±0.08%	<±0.078%	<±0.045%	<±0.045%
Speed deviation	<±1.5%	<±1.5%	<±1%	<±1%
Fast forward and rewind C60	100 sec.	100 sec.	70 sec.	70 sec.
Frequency range metal				10-25,000 Hz ±3 dB
Frequency range all types	30-15,000 Hz±3 dB	30-18,000 Hz±3 dB	20-20,000 Hz±3 dB	20-20,000 Hz ±1.5 dB
S/N ratio Dolby NR				
CCIR/ARM weighted				
Metal	B: >64 dB, TDK-MA	B: >64 dB, C: >73 dB.	B: >65 dB, C: >74 dB.	B:>68 dB, C:>79 dB.
		TDK-MA	TDK-MA	Scotch Metafine C90
Ferrochrom				B:>68 dB, C:>79 dB.
				Sony FeCr C90
Chrom	B: >65 dB, TDK-SA	B: >65 dB, C: >74 dB.	B: >66 dB, C: >75 dB.	B:>70 dB, C:>80 dB.
		TDK-SA	TDK-SA	BASF chrom II
Ferro	B: >63 dB, BASF LH I	B: >63 dB, C: >72 dB.	B: >64 dB, C: >73 dB.	B:>64 dB, C:>74 dB.
		BASF LH I	BASF LH I	BASF LH I C60
S/N ratio Dolby OFF DIN				
weighted				
Metal	>56 dB. TDK-MA	>56 dB. TDK-MA	>57 dB. TDK-MA	>59 dB Scotch
				Metafine C90
Ferrochrom				>59 dB Sony FeCr C9
Chrom	>56 dB. TDK-SA	>56 dB. TDK-SA	>57 dB. TDK-SA	>60 dB BASF chrom II
Ferro	>55 dB. BASF LH I	>55 dB. BASF LH I	>56 dB. BASF LH I	>56 dB BASF LHI C60
Driveability metal		Better than -5 dB	Better than -5 dB	Better than -3 dB/
				10 kHz, -6 dB/15 kHz
Driveability other types		Better than -10 dB	Better than -10 dB	Better than -10 dB
Channel separation 1000 Hz	>35 dB	>35 dB	>35 dB	>40 dB
Erasure	>70 dB	>70 dB	>70 dB	>75 dB
Erase frequency	96 kHz	96 kHz	96 kHz	96 kHz
Radio input DIN-LINE	40 mV/22 kohms	60 mV/22 kohms	20 mV/33 kohms	0.4 mV/4.7 kohms-
				15 mV/22 kohms
Michrophone input		0.18 mV/3 kohms	0.15 mV/3 kohms	0.15 mV/3 kohms
AUX input		60 mV/22 kohms	40 mV/68 kohms	40 mV/22 kohms
Radio output	600 mV/ 100 ohms	660 mV/200 ohms	1000 mV (500-2000 mV)/	1000 mV (500-2000
			10 kohms	mV) 5.6 kohms
Headphones			Max. 10 V/56 ohms	Max. 10 V/56 ohms
Power supply	240 volts	240 volts	240 volts	240 volts
Power frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Power consumption	Max. 20 watts	Max. 35 watts	Max. 50 watts	Max. 50 watts
Dimensions W×H×D	42×7×24.5 cm	42×7.5×32.5 cm	53×13×30 cm	53×13×30 cm
Weight	3.8 kg	8.35 kg	7.5 kg	7.8 kg

BEOVOX	**BEOVOX C30**	**BEOVOX C40**	**BEOVOX C75**	**BEOVOX S30**
Type No.	6325	6324	6323	6317
RMS power handling capacity	30 watts	40 watts	75 watts	30 watts
Music power handling capacity	40 watts	50 watts	90 watts	50 watts
Impedance	6 ohms	6 ohms	6 ohms	8 ohms
Frequency responce +4-8 dB	85-20,000 Hz	80-20,000 Hz	50-20,000 Hz	65-20,000 Hz
Frequency responce ±4 dB	100-20,000 Hz	120-20,000 Hz	75-20,000 Hz	75-18,000 Hz
Power at 96 dB SPL	8 watts	8 watts	6 watts	2.5 watts
Sensitivity 1 W	87 dB	87 dB	88.5 dB	92 dB
Cabinet type	Pressure chamber	Log line	Log line	Pressure chamber
Distortion 250-1000 Hz	<3%	<3%	<3%	<2.5%
Distortion >1000 Hz	<1%	<1%	<1%	<1%
Dispersion	90°	90°	90°	100°
Subwoofer				
Woofer	4"-10 cm	4"-10 cm	2 units 4"-10 cm	8"-20 cm
Phase-link, midrange				
Tweeter	1"-2.5 cm	1"-2.5 cm	1"-2.5 cm	1"-2.5 cm
Crossover frequencies	2500 Hz	2500 Hz	2500 Hz	3000 Hz
Net volume	1.7 litres	2 litres	4 litres	12 litres
Gross volume	3.7 litres	4.4 litres	6.8 litres	22 litres
Dimensions W×H×D	12×20.5×14.5 cm	12×20.5×20.5 cm	12×32×20.5 cm	26×48×18 cm
Weight	3.2 kg	3.5 kg	5 kg	5 kg
Accessories (additional Price)	Wall mounting			Stand 6013
	bracket included			Wall mounting
				kit 6014

SYSTEM CABINET	**SC 50**	**SC 60**	**SC 77**
Type No.	2064	2061	2070
Dimensions W×H×D	72×61×35.5 cm	105×61×40 cm	76×71×38 cm

HEADPHONE	**U70**
Type No.	6401
Application	Stereo
Principle	Orthodynamic, semi open
Sensitivity 94 dB	8 mW
Continuous load	2 watts
Frequency range	16-20,000 Hz
Impedance	140 ohms
Distortion	<1%
Length of cord/Plug	3 m/jack
Weight	300 gram

BEOVOX S45	**BEOVOX S55**	**BEOVOX S80.2**	**BEOVOX MC120.2**
6427	6426	6434	6433
45 watts	55 watts	80 watts	120 watts
65 watts	75 watts	110 watts	170 watts
8 ohms	8 ohms	8 ohms	8 ohms
48-20,000 Hz	50-20,000 Hz	50-22,000 Hz	42-22,000 Hz
60-20,000 Hz	60-17,000 Hz	70-20,000 Hz	70-20,000 Hz
4 watts	4 watts	4 watts	2.5 watts
90 dB	90 dB	90 dB	92 dB
Pressure chamber	Pressure chamber	Pressure chamber	Vented Bessel
<2.5%	<1.5%	<1.8%	<1%
<1.5%	<1%	<0.7%	<0.5%
90°	100°	100°	100°
8¼"-21 cm	8¼"-21 cm	8¼"-21 cm	8¼"-21 cm
	4½"-11.5 cm	3"-7.5 cm dome	3"-7.5 cm dome
1"-2.5 cm	1"-2.5 cm dome	1"-2.5 cm dome	1"-2.5 cm dome
3000 Hz	800-3000 Hz	800 Hz/4000 Hz	800 Hz/4000 Hz
16.6 litres	20 litres	24 litres	24 litres
29.5 litres	32 litres	37 litres	40 litres
26.5×52.5×20 cm	26.5×52.5×23 cm	26.5×53×27.5 cm	26.5×56×27.5 cm
6.5 kg	8 kg	9 kg	12 kg
Stand 6017	Stand 6017	Stand 6017	Stand 6017
Wall mounting	Wall mounting	Wall mounting	Wall mounting
kit 6014	kit 6014	kit 6014	kit 6014

Subject to change without notice

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